



Sheet 1 of 1

Form PTO-1449 (REV. 1/06)			US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116713	APPLICATION NO. 10/657,108
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)						
			APPLICANT(S) Hironori OKADO			
			FILING DATE September 9, 2003		GROUP 2821	
U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	Document Number	Date	Name		
FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract	With English Translation
OTHER DOCUMENTS						
Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)				
<i>HR</i>	1	John D. Kraus, "Antennas", 2 <sup>nd</sup> edition 1988 McGraw-Hill, p.p. 346-347 and p.p. 723-725				
<i>HR</i>	2	"Antenna Engineering Handbook", Electronic Information Communication Institution, p. 128 <i>(document 18-1202)</i>				
EXAMINER <i>Jay</i>				DATE CONSIDERED <i>4/10/06</i>		
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

Date: March 16, 2006



Sheet 1 of 1

Form PTO-1449 (REV. 1/06)			US Dept. of Commerce PATENT & TRADEMARK OFFICE	ATTY DOCKET NO. 116713	APPLICATION NO. 10/657,108	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)			APPLICANT(S) Hironori OKADO			
			FILING DATE September 9, 2003	GROUP 2821		
<b>U.S. PATENT DOCUMENTS</b>						
Examiner Initials	Cite No.	Document Number	Date	Name		
<i>W</i>	1	5,521,606	05-28-1996	Iijima et al.		
<i>W</i>	2	6,747,600	06-08-2004	Wong et al.		
<b>FOREIGN PATENT DOCUMENTS</b>						
Examiner Initials	Cite No.	Document Number	Date	Country	With English Abstract <input checked="" type="checkbox"/>	With English Translation <input checked="" type="checkbox"/>
<i>W</i>	3	JU-A-5-82122	11-05-1993	Japan	X	
<i>W</i>	4	EP 0 831 548 A2	03-25-1998	Europe		
<b>OTHER DOCUMENTS</b>						
Examiner Initials	Cite No.	(Including Author, Title, Date, Pertinent Pages, etc.)				
<b>EXAMINER</b> <i>Jr</i>					<b>DATE CONSIDERED</b> <i>4/10/06</i>	
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

Form PTO-1449 (REV. 8-83)		US Dept. of Commerce PATENT & TRADEMARK OFFICE		ATTY DOCKET NO. 116713		APPLICATION NO. New U.S. Patent Application <i>10657108</i>	
INFORMATION DISCLOSURE STATEMENT  (Use several sheets if necessary)				APPLICANT Hironori OKADO			
				FILING DATE September 9, 2003			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME		CLASS	SUB CLASS
<i>W</i>	1	US 2002/0122010 A1	09/05/2002	McCorkle			
<i>H</i>	2	US 6,351,246 B1	02/26/2002	McCorkle			
<i>M</i>	3	US 6,515,626 B2	02/04/2003	Bark et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUB CLASS
<i>I</i>	4	JU-S31-000709-Y	01/21/1956	Japan			
<i>I</i>	5	JP A 55-4109 w/abstr.	01/12/1980	Japan			
<i>I</i>	6	JP A 57-142003 w/abstr.	09/02/1982	Japan			
<i>I</i>	7	JP A 63-275204 w/abstr.	11/11/1988	Japan			
<i>I</i>	8	JP A 8-213820 w/abstr. + trans.	08/20/1996	Japan			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)							
<i>I</i>	9	Honda et al., "Improved Input Impedance of Circular Disc Monopole Antenna," Spring National Convention of The Institute of Electronics, Information and Communication Engineers, pp. 2-131, B-131, March 27, 1992					
<i>I</i>	10	Ihara et al., "Broadband Characteristics of Semi-Circular Antenna combined with Linear Element," General Convention of The Institute of Electronics, Information and Communication Engineers, PP. 77, B-77, March 31, 1996					
<i>I</i>	11	Ihara et al., "A Small Broadband Antenna with Rounded Semi-Circular Element," Society Conference of The Institute of Electronics, Information and Communication Engineers, pp. 78, B-78, September 21, 1996					
<i>I</i>	12	Honda et al., "Wideband Monopole Antenna of Circular Disc," Technical Reports of The Institute of Television, Vol. 15, No. 59, pp. 25-30, October 24, 1991					
EXAMINER <i>Jen</i>				DATE CONSIDERED <i>4/10/06</i>			
Examiner: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Date: September 9, 2003